

**CLAIMS**

1. An aircraft seat, the seat being equipped with an electronic box (10) capable of releasing heat,  
5 characterized in that it comprises a passive cooling device (20) able to be connected to the electronic box (10) and an element (50) consisting of a heat-conducting material, and in that this element (50) comprises at least one contact region (52) connected to  
10 the passive cooling device (20), this contact region being arranged on the element (50) so as to dissipate the heat coming from the cooling device toward the whole of the element (50).
- 15 2. The aircraft seat as claimed in the preceding claim, characterized in that the passive cooling device (20) is a heat pipe, in particular a heat pipe with a two-phase loop.
- 20 3. The aircraft seat as claimed in either one of the preceding claims, characterized in that the electronic box (10) has an internal heat drainage system joined to a contact region (16) of the box, and in that this contact region (16) is connected to the passive cooling  
25 device (20).
4. The aircraft seat as claimed in either one of claims 2 and 3, characterized in that the electronic box (10) has walls and in that the contact region (16)  
30 is part of a wall.
5. An electronic box (10) for an aircraft seat as claimed in claim 4, the box having electronic components (14) capable of releasing heat, the contact  
35 region (16) of the box being intended to be connected to a passive cooling device (20).
6. A method of cooling an electronic box as claimed in the preceding claim having electronic components

capable of releasing heat, characterized in that it includes the following steps consisting in:  
draining the heat coming from the components toward a predetermined region of the box, this region being part  
5 of a wall, and  
cooling this region by means of a passive cooling device joined on the one hand to this region of the box and on the other hand to an element capable of dissipating the heat coming from the cooling system.